

Species Datasheet

Datasheet No. P-030.002.013
(family.genus.species)

DBT- Network Programme

1.Taxon:

Species: *Adiantum incisum* Forssk.

Subspecies:

Variety:

Cultivar

Hybrid

Image file

2. Synonyms:

Adiantumcapillus-gorgonis Webb

Adiantumcaudatum var. *glabripinnatum* Bonap.

Adiantumcaudatum var. *laciniata* Bonap.

Adiantumcaudatum var. *minor* Pirotta

3.Systematic Position:

Christenhusz 2011

- Class: Equisetopsida C.Agardh
- Subclass: Polypodiidae Cronquist, Takht. & Zimmerm.
- Order: Polypodiales Link.
- Family: Pteridaceae E.D.M. Kirchn
- Subfamily: Vittarioideae (C. Presl) Crabbe, Jermy & Mickel
- Genus: *Adiantum* L.
- Species: *Adiantum incisum* Forssk.
- Subspecies:
- Variety:

4.Distribution:

Global: Widespread in tropical Africa, also in South Africa, Namibia, Yemen and India.

India: Rajasthan, Gujarat, Punjab, Odisha, Tamil Nadu, Manipur and Himachal Pradesh.

5.Indigenous/Exotic/Endemic;Cultivated/Wild:

6. Threat Status:

IUCN:

BSI:

7. Habit and Habitat:

8. Life Form:

9. Economic Importance: used as a remedy to cure like Cough, Diabetes, Jaundice, Fever, Diarrhea, Skin diseases and Wounds, has antibacterial properties

10. Probable Progenitor of:

11. DNA

C-value	Methodology
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12. Basic chromosome number(s): $x=30^{8,12, 17, 24, 26, 28, 29, 39, 44, 45, 50, 63, 72, 73, 76, 78, 79, 83, 84, 88, 90, 93, 94, 97, 98, 99, 100, 106, 108, 109}$

13. Zygotic chromosome number(s): $2n=60^{76, 88}, 120^{45, 88}$

14. Gametic chromosome number(s): $n=30^{8,12, 17, 24, 26, 28, 29, 39, 44, 45, 50, 63, 72, 73, 76, 78, 79, 83, 84, 88, 90, 93, 94, 97, 98, 99, 100, 106, 108, 109}$,
c.75 (abnormal SMCs due to amitotic divisions in sporangium) ⁸⁵

15. Specialized chromosomes (B chromosomes/Sex chromosomes/Polytene chromosomes/Neocentric chromosomes):

Image file

16.Ploidy level:Diploid (sexual) ^{8,12, 17, 24, 26, 28, 29, 39, 44, 45, 50, 63, 72, 73, 76, 78, 79, 83, 84, 88, 90, 93, 94, 97, 98, 99,100, 106, 108,109},

Tetraploid (sexual) ^{45, 88}

Image file

17.Agametoploidy:

18.Nature of polyploidy (auto, segmental, allo, autoallo):

19.Genomic formula:

20.Aberrant chromosome number(s)(aneuploidy, aneusomaty, polysomaty):

21.Somatic chromosomes:

Karyotype

Chromosome size

NOR chromosome(s)

Degree of asymmetry

Image file

22. Banding pattern(s):

Image file

23.Physical mapping of chromosomes:

In situ hybridization

Image file

Fluorescent in situ hybridization:

Image file

24.Genomic in situ hybridization:

Image file

25. Linkage map:

Image file

26. Chromosome associations:

Female meiosis

Male meiosis 30 II ^{84, 93, 94}

Image file

27. Chromosome distribution at anaphase I:

28. Genetic diversity:

Chromosomal level

Image file

DNA level

29. Any other information (Apomixis; Inversion; Male sterility; Pollen grain mitosis; Pollen stainability; Translocation etc.):